

What Is Claimed Is:

1. In an auto lift ceiling lighting system comprising:

a motor part for lifting operation of the lamp;

rotary drum parts formed on both side of the coaxial shaft of the motor part ;

flat cables supplying the electric power to the lamp, the flat cables wound on winding cores of the rotary drum parts respectively;

power supply parts supplying the electric power to the flat cables;

a body cover part in which the motor part, the rotary drum parts, the power supply parts are fixed;

a ballast stabilizing the electricity supplied to the lamp, the ballast installed below the body cover part; and

a ballast box in which the ballast is installed,

the width of the left and right rotary drums is formed as wide as the width of the flat cables and the flat cables are wound stably and vertically on winding cores in the left and right rotary drums when wound by the motor, thereby not to be twisted.

2. The auto lift ceiling lighting system according to claim 1, wherein the winding core has a passage hole formed inside part of the winding core and a insertion hole formed on a part of the circumferential surface of the winding core and formed parallel to the central axis of

the winding core, and the winding core is separated by the passage hole and the insertion hole, for the flat cable to be inserted into the passage hole via the insertion hole and connected to a brush electrode.

3. The auto lift ceiling lighting system according to claim 1, further comprises:

a brush electrode connected with the flat cable, one end of the flat cable is connected with the lamp and the other end of the flat cable goes through the insertion hole to be inserted into the passage hole;

an insulator preventing the electric current from flowing from the brush electrode to the conductor of the left and right rotary drums;

a brush supplying the electric power to the brush electrode;

a brush holder supporting the brush;

a brush holder supporter supporting the brush holder.

4. The auto lift ceiling lighting system according to claim 1, wherein one side of the brush electrode is formed in the shape of circular plane surface and the other side is formed in the shape of the male screw which can fasten and combine together a nut and a terminal connected with the flat cable, and the said terminal connects and fixes the electric wire of the flat cable inserted into the winding core.

5. The auto lift ceiling lighting system according to claim 3, wherein one side of the brush electrode is formed in the shape of circular plane surface and the other side is formed in the shape of the male screw which can fasten and combine together a nut and a terminal connected with the flat cable, and the said terminal connects and fixes the electric wire of the flat cable inserted into the winding core.
6. The auto lift ceiling lighting system m according to claim 1, wherein the flat cable comprises the electric wire of the net form in the center of the soft PVC flat and stainless wires enduring the weight of the lamp in both sides of the electric wire.
7. The auto lift ceiling lighting system according to claim 6, wherein the flat cable is formed flatly and evenly, so that the volume of the winded flat cable is small.
8. The auto lift ceiling lighting system according to claim 7, wherein the flat cable is formed flatly and evenly, so that the volume of the winded flat cable is small.

9. The auto lift ceiling lighting system according to claim 1, wherein the flat cables are connected with the both ends of a lever respectively, the center of which is connected with the center of gravity of the ballast box, in the ballast box combined with the lamp. And the leverage of the lever absorbs the vibration of the lamp due to the difference of the winding speed or an error of winding the flat cables, thereby the balance of the lamp is kept when the lamp ascends and descends.